Fig. 1

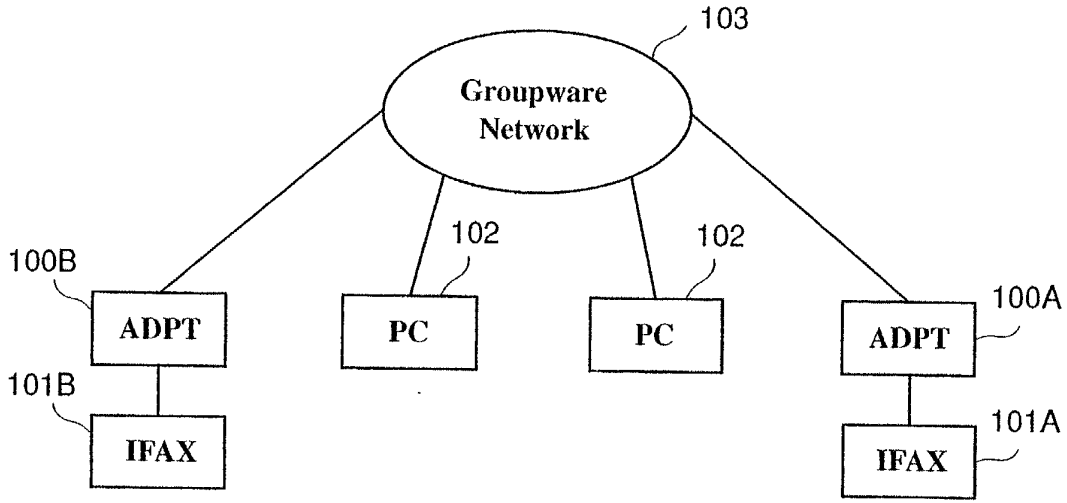

103
Groupware Network
102
102
100B
ADPT
PC
PC
ADPT
100A
101B
IFAX
IFAX
101A

Fig. 2

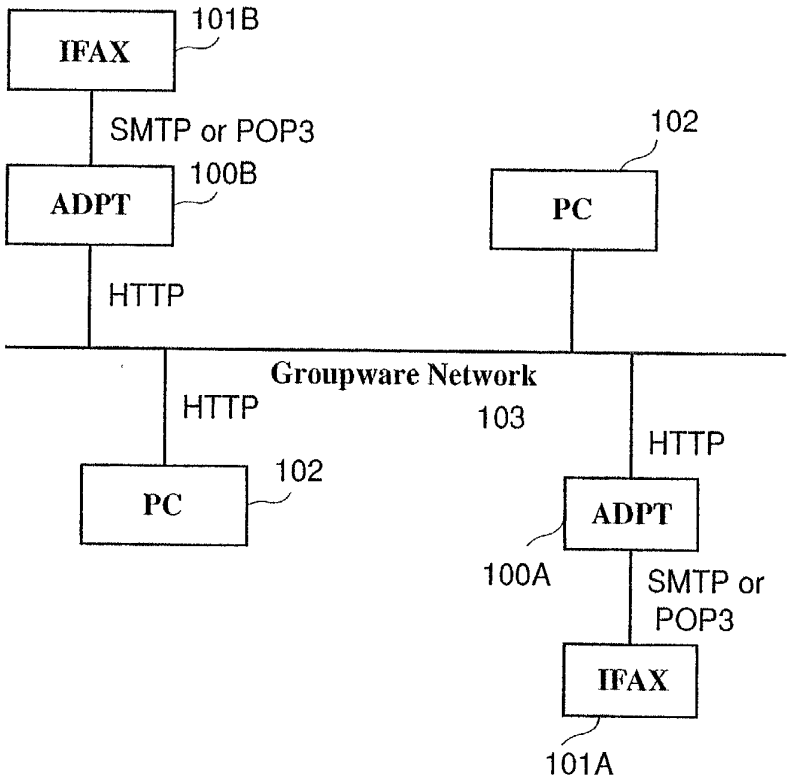

IFAX
101B
SMTP or POP3
ADPT
100B
HTTP
PC
102
Groupware Network
103
HTTP
PC
102
HTTP
ADPT
100A
SMTP or
POP3
IFAX
101A

Fig. 3

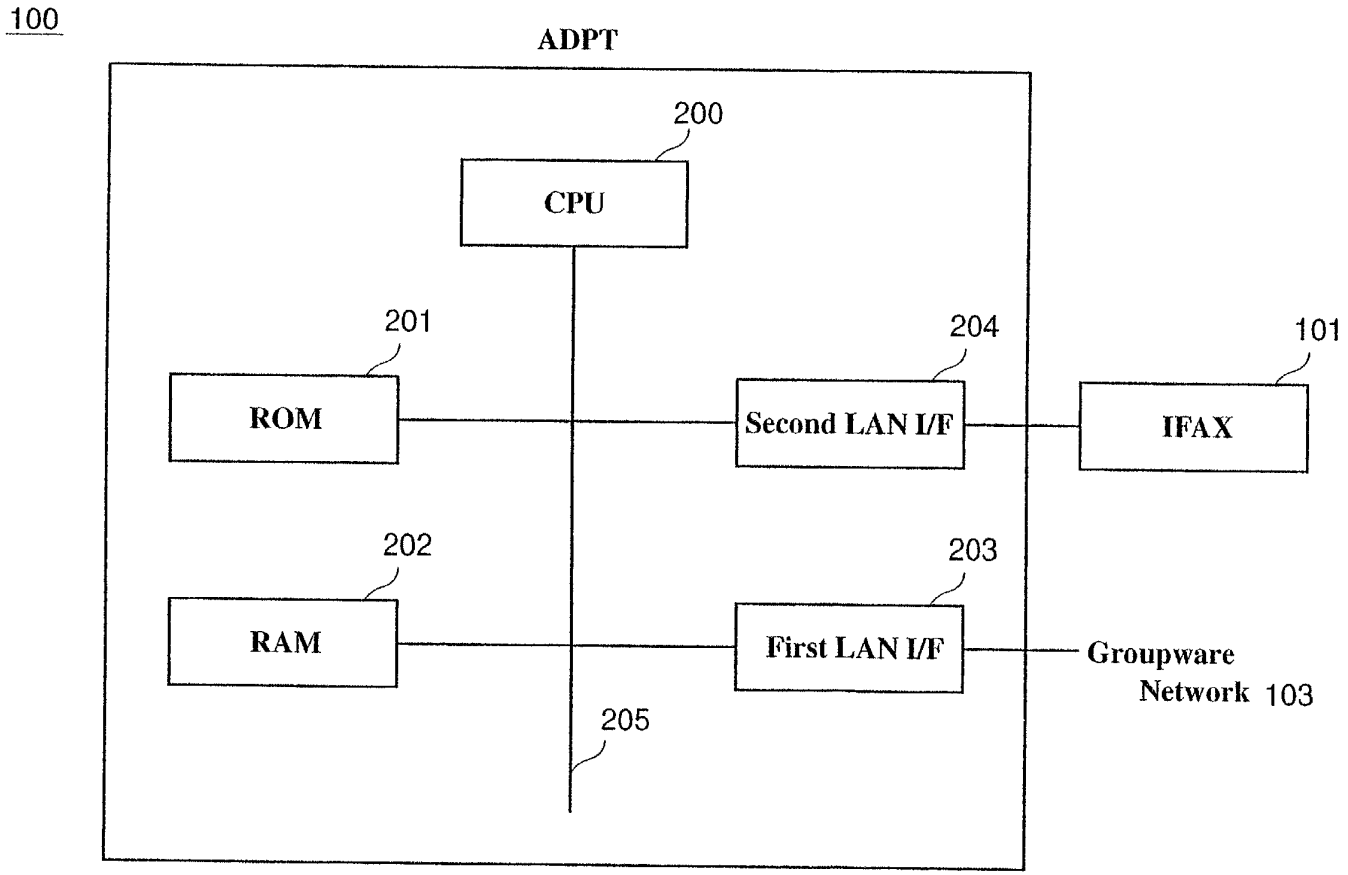

100
ADPT
200
CPU
201
ROM
204
Second LAN I/F
101
IFAX
202
RAM
203
First LAN I/F
Groupware
Network 103
205

Fig. 4

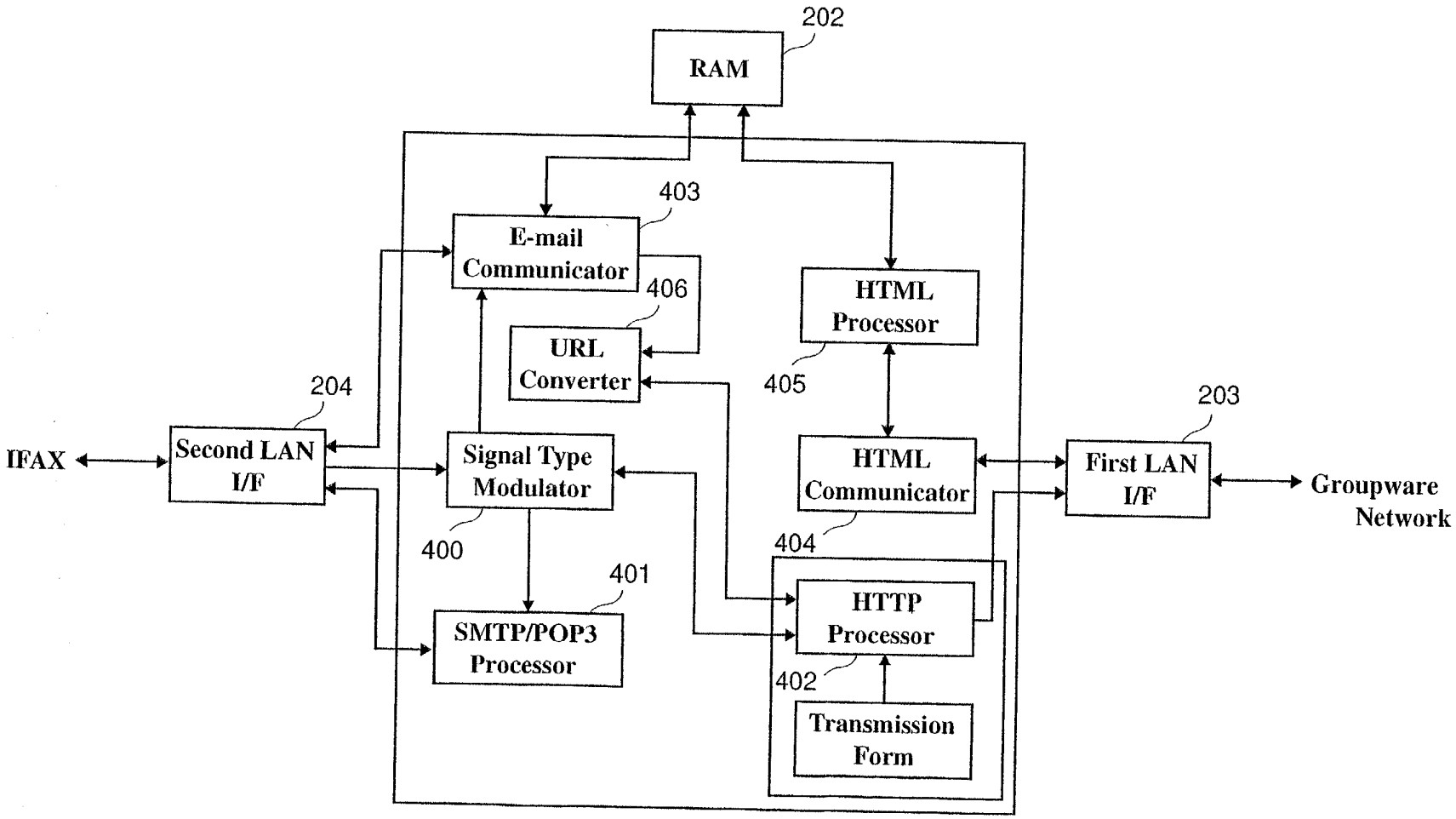

202
RAM
403
E-mail Communicator
406
URL Converter
HTML Processor
405
204
IFAX
Second LAN I/F
Signal Type Modulator
400
HTML Communicator
203
First LAN I/F
Groupware Network
404
401
SMTP/POP3 Processor
HTTP Processor
402
Transmission Form

Fig. 5

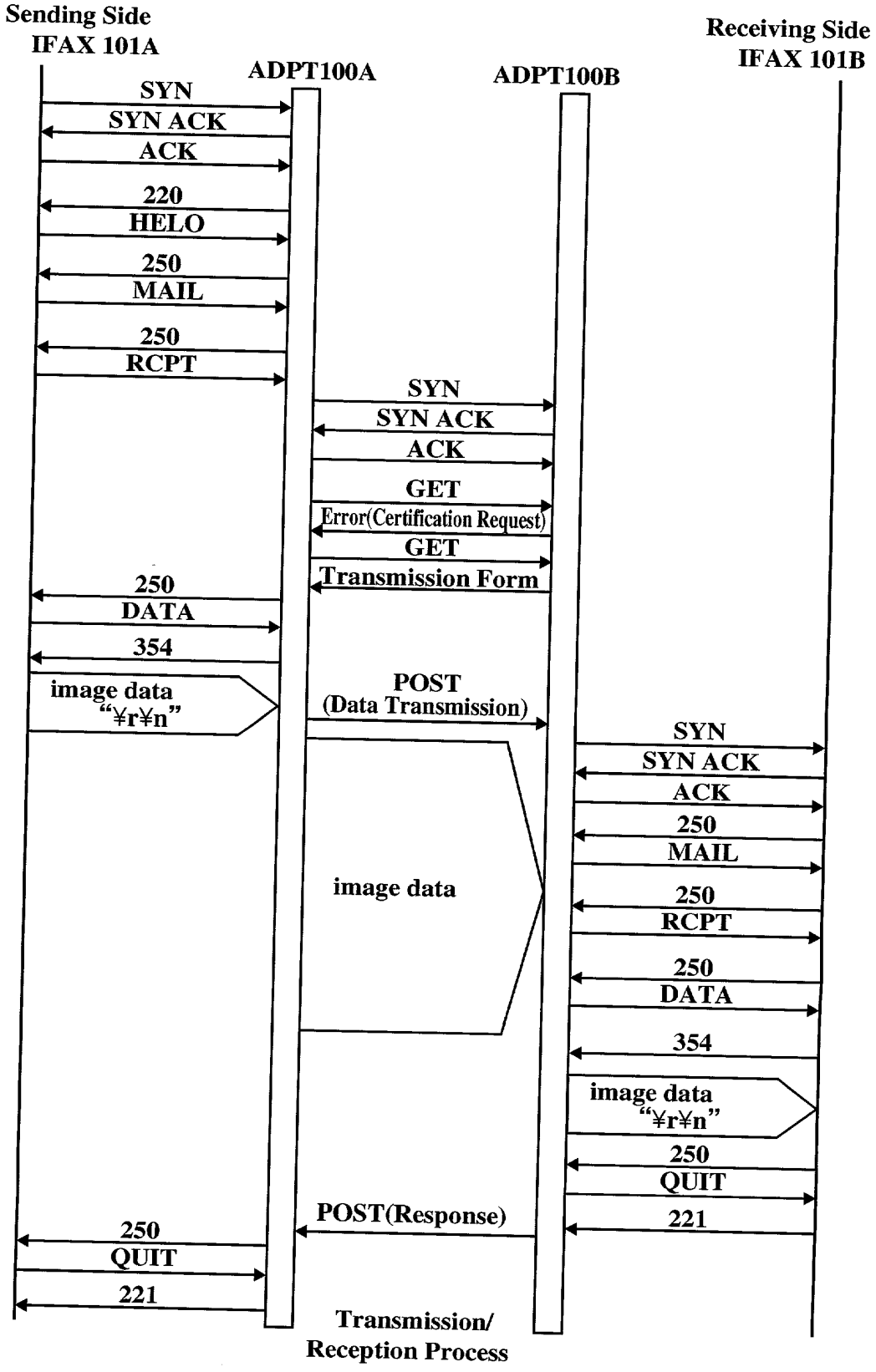

Sending Side
IFAX 101A
ADPT100A
ADPT100B
Receiving Side
IFAX 101B
SYN
SYN ACK
ACK
220
HELO
250
MAIL
250
RCPT
SYN
SYN ACK
ACK
GET
Error(Certification Request)
GET
Transmission Form
250
DATA
354
image data
"¥r¥n"
POST
(Data Transmission)
SYN
SYN ACK
ACK
250
MAIL
image data
250
RCPT
250
DATA
354
image data
"¥r¥n"
250
QUIT
POST(Response)
221
250
QUIT
221
Transmission/
Reception Process

Fig. 6

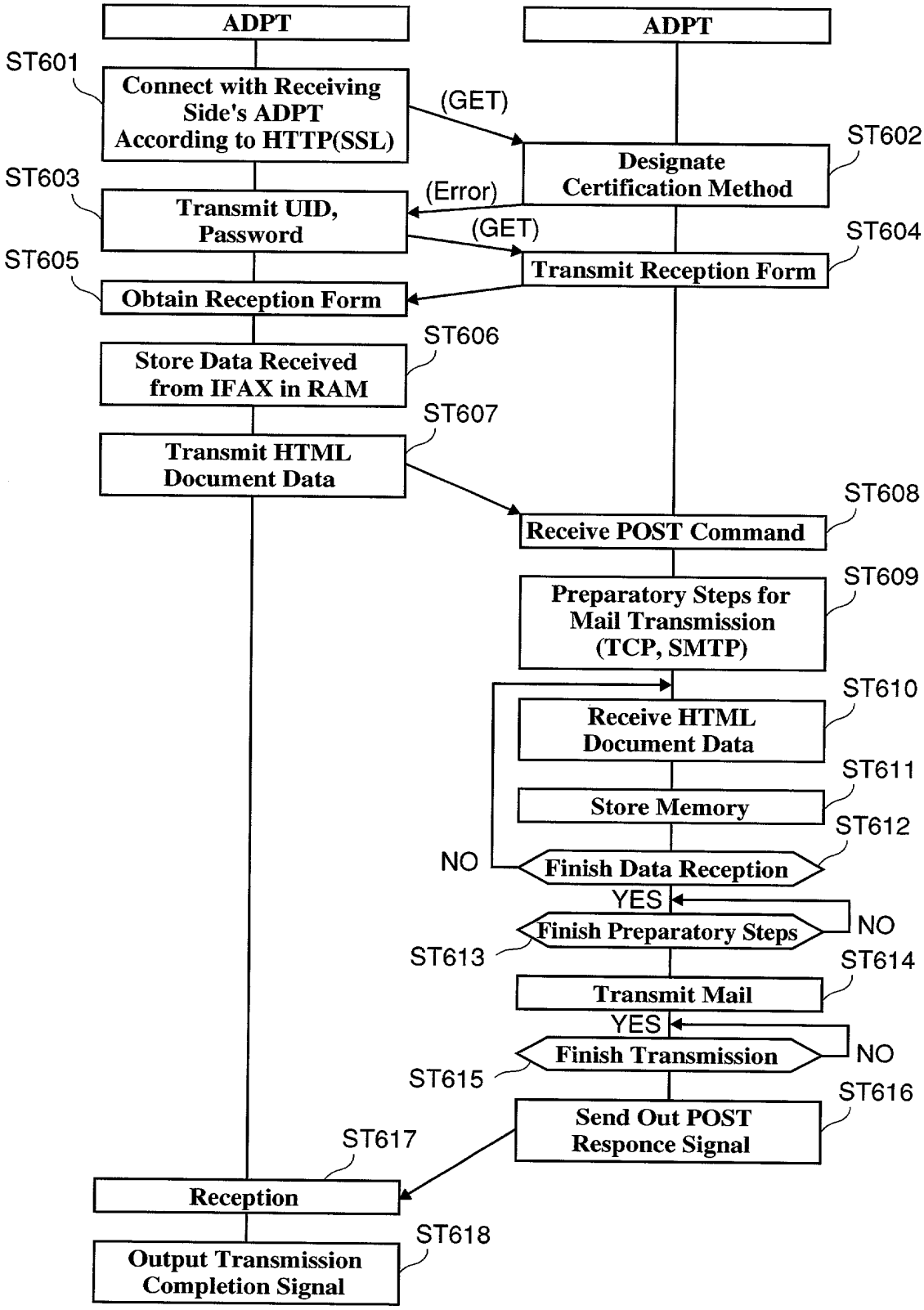

ADPT
ADPT
ST601
Connect with Receiving Side's ADPT According to HTTP(SSL)
(GET)
ST602
Designate Certification Method
ST603
Transmit UID, Password
(Error)
(GET)
ST604
Transmit Reception Form
ST605
Obtain Reception Form
ST606
Store Data Received from IFAX in RAM
ST607
Transmit HTML Document Data
ST608
Receive POST Command
ST609
Preparatory Steps for Mail Transmission (TCP, SMTP)
ST610
Receive HTML Document Data
ST611
Store Memory
ST612
NO
Finish Data Reception
YES
Finish Preparatory Steps
NO
ST613
ST614
Transmit Mail
YES
Finish Transmission
NO
ST615
ST616
Send Out POST Responce Signal
ST617
Reception
ST618
Output Transmission Completion Signal

Fig. 7

Header

```
HTTP/1.1 200 OK
Data : Fri, 23 Jun 2000 04:13:29 GMT
Server : hoge/1.0
Connection : close
Content-Type : text/html
```

HTML Document Data

```
<HTML>
<HEAD> <TITLE> TX sample </TITLE>
</HEAD>
<BODY BGCOLOR="#FFFFFFFF">
<FORM ENCTYPE="multipart/fome-data" ACTION="upload.cgi" METHOD="post">
<TABLE>
<TR> <TD ALIGN=right> TO : </TD>
<TD> <INPUT TYPE="text" NAME="to" SIZE="60"> </TD>
</TD>
<TR> <TD ALIGN=right> Subject : </TD>
<TD> <INPUT TYPE="text" NAME="subject" SIZE="60"> </TD>
</TD>
<TR> <TD ALIGN=right> File Name : </TD>
<TD> <INPUT TYPE="file" NAME="file" SIZE="45"> </TD>
</TR>

</TABLE>
<P> <INPUT TYPE="submit" VALUE="SUBMIT">
</FORM>
</BODY>
</HTML>
```

Fig. 8

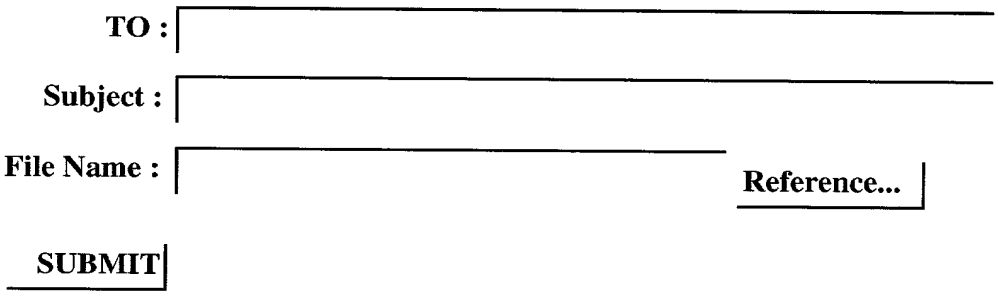


Fig. 9

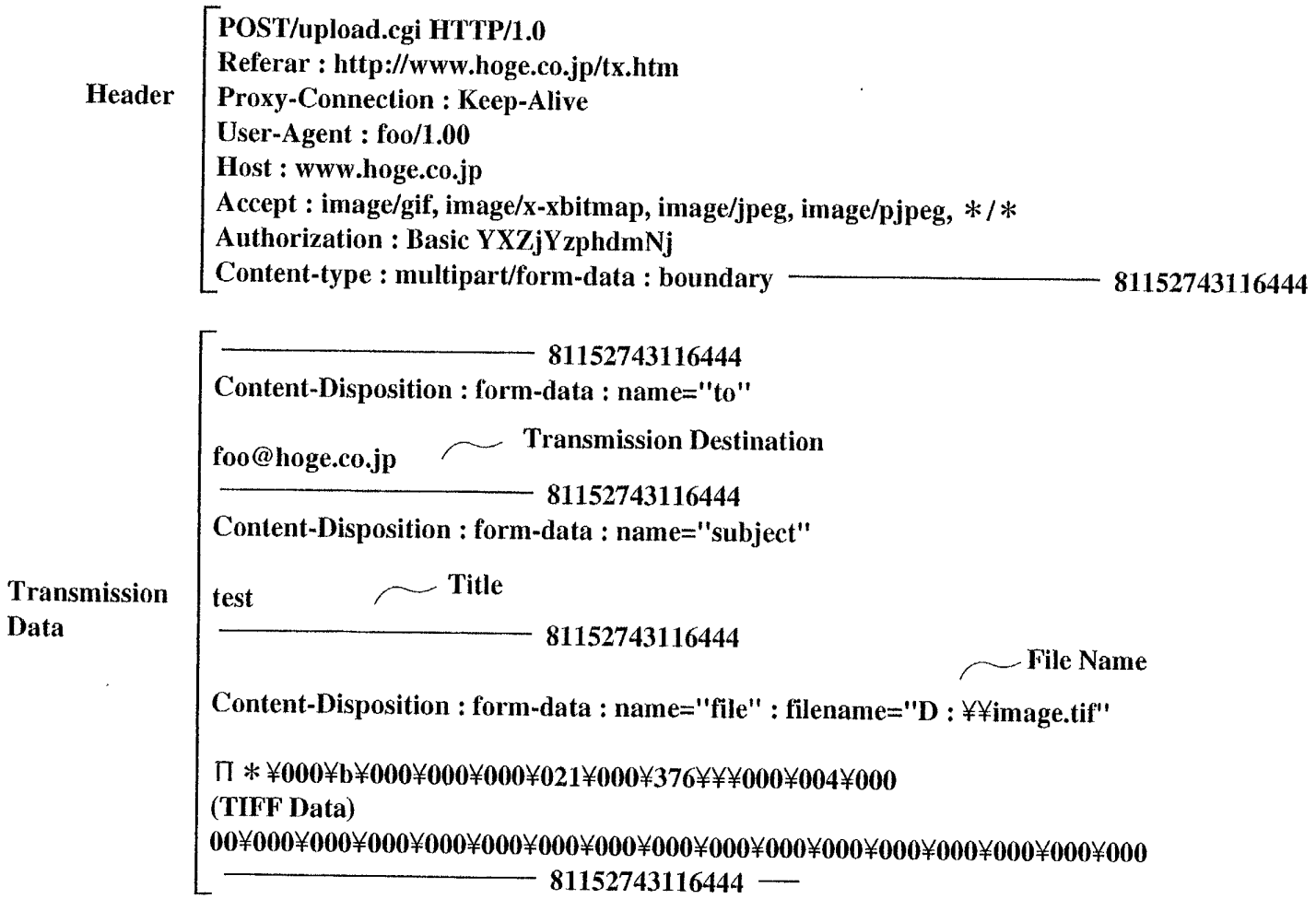

Header
POST/upload.cgi HTTP/1.0
Referar : http://www.hoge.co.jp/tx.htm
Proxy-Connection : Keep-Alive
User-Agent : foo/1.00
Host : www.hoge.co.jp
Accept : image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, */*
Authorization : Basic YXZjYzphdmNj
Content-type : multipart/form-data : boundary ——— 81152743116444
Transmission Data
——— 81152743116444
Content-Disposition : form-data : name="to"
foo@hoge.co.jp
Transmission Destination
——— 81152743116444
Content-Disposition : form-data : name="subject"
test
Title
——— 81152743116444
File Name
Content-Disposition : form-data : name="file" : filename="D : ¥¥image.tif"
II * ¥000¥b¥000¥000¥000¥021¥000¥376¥¥¥000¥004¥000
(TIFF Data)
00¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000¥000
——— 81152743116444 ——

Fig. 10

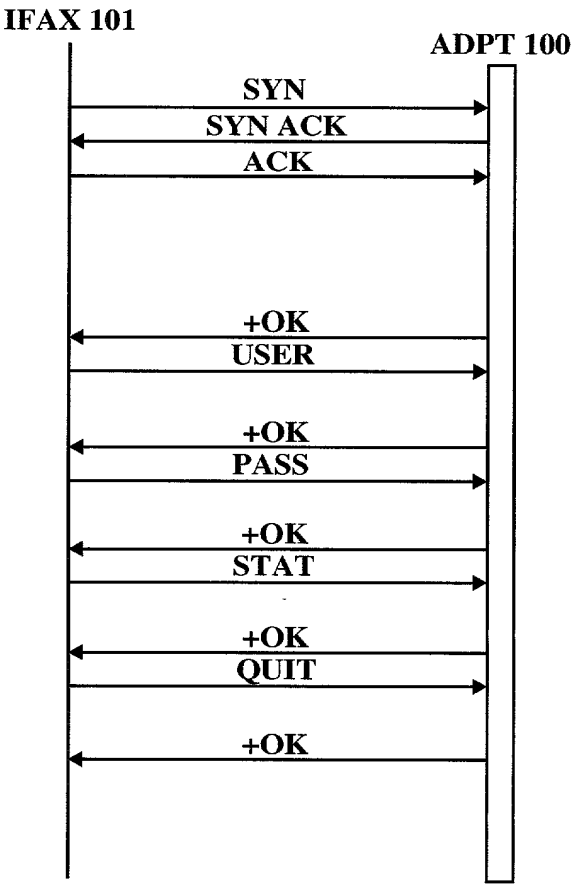
TO : foo@hoge.co.jp

Subject : test

File Name : D : ¥¥image tif Reference...

SUBMIT

Fig. 11


IFAX 101
ADPT 100
SYN
SYN ACK
ACK
+OK
USER
+OK
PASS
+OK
STAT
+OK
QUIT
+OK